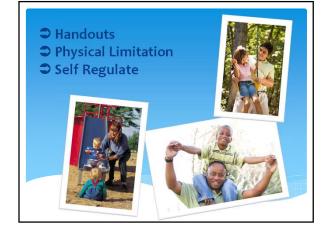


Patty Kimbrell, M.Ed.



- San Diego State University
- Physical Activity Consultant
 The Office of Head Start, CA Dept. of Education, California and New York WIC, Navajo Nation, Child Care Resource & Referral, First 5 Commission
- Master Trainer for "I Am Moving, I Am Learning"
- Author and Speaker
- Childhood Movement Expert



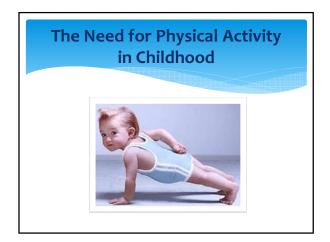


















Through Play, We Learn!



- Talked about fruit and vegetables
- √ Worked cooperatively
- √ Socialized with new people
- ✓ Experienced physical activity
- ✓ Problem solved
- ✓ Hand-eye coordination
- ✓ Created new ways to move And much, much more...



Raising a Healthier Generation



Childhood Obesity is a Public Health Threat

In the last 30 years:

- *Preschool obesity rates have doubled
- *Adolescent obesity rates have doubled
- *Childhood obesity rates have tripled





- Obesity between ages 2 to 5 has more than doubled since 1980, from 5.0% to 12.4%
- Approximately 17% (or 12.5 million) of children and adolescents aged 2-19 years are obese.
- 80% of children who are overweight between ages 10 to 15 years grow up to become obese 25 year-old

www.cdc.gov

Consequences of Childhood Obesity

- ⇒ High blood pressure and high cholesterol (CVD)-70% of obese children had at least one CVD risk factor, 39% had two or more
- ⇒ Increased risk type 2 diabetes
- ⇒ Breathing problems such as sleep apnea, and asthma
- ⇒ Joint problems and musculoskeletal discomfort
- Greater risk of social and psychological problems, poor self-esteem, which can continue into adulthood

www.cdc.gov

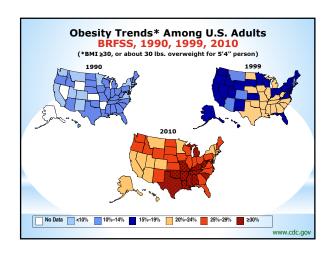
A Health Crisis

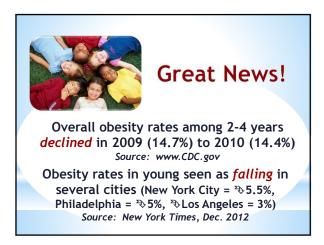
Fact: Children born in the year 2001 are expected to have a shorter lifespan than their parents (CDC)

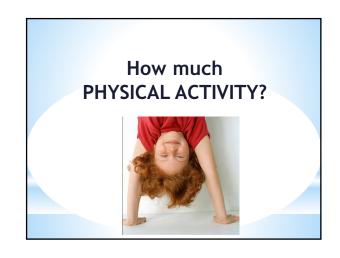
Fact: 1 in 3 children are expected to have Type II Diabetes (CDC)

Our Children Inherit More Than Our Genes

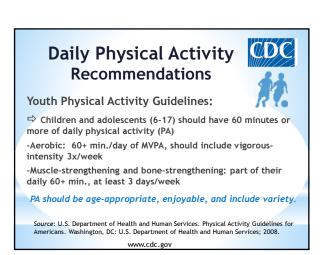
They Inherit Our Lifestyles...











Daily Physical Activity National Association for Sports and Physical Education Recommendations



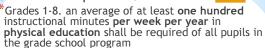
- Accumulate 60+ Minutes a day on all or most days of the week
- Several bouts of PA lasting 15 minutes
- A variety of age-appropriate activities
- Extended periods of inactivity are discouraged

www.aahperd.org/naspe/standards/nationalGuidelines/PA-Children-5-12.cfm



Washington State K-12 Health and Fitness Learning Standards, December 2008

WAC 392-410-135 Physical education -Grade school requirement.



*Recess, as normally provided, cannot be used to meet the requirement of an average of 100 minutes per week of instruction in physical education. Recess provides unstructured play opportunities that allow children to engage in physical activity.

http://www.k12.wa.us/healthfitness/standards-gles/healthfitnessstatestandards.pdf

Adult Recommendations?

For One Week:

150 Minutes of Moderate PA



OR

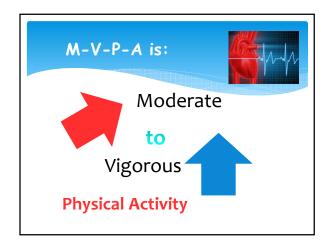
75 Minutes of Vigorous PA

10 minutes at a time

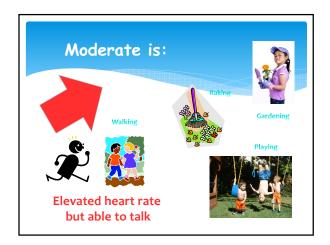


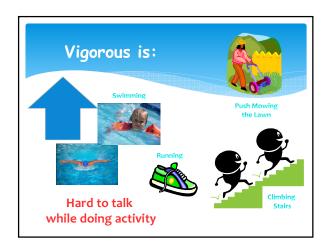
A Major Concept to Share...

M-V-P-A









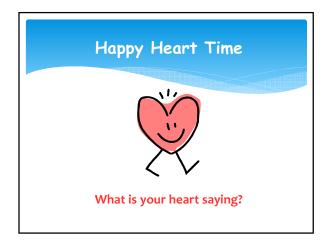
How do we explain this to children?

How do we teach fitness to children?

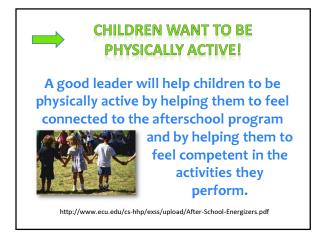
















- 1. Enthusiasm and excitement for the program
- 2. Ability to manage a large group of children
- 3. Good organizational and communication skills
- 4. Reliable and passionate towards working with kids

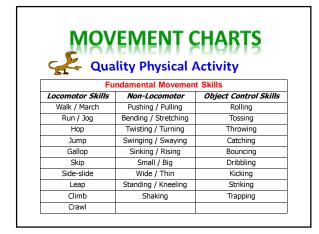


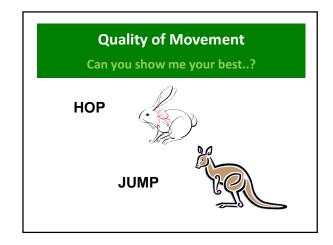




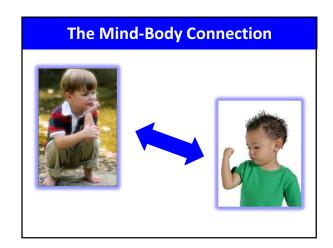






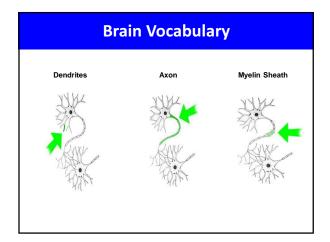






The Brain

- At birth, 100 billion brain cells communicate though tiny connections that form networks
- There are 15,000 connections for each brain cell
- By age three, 80% of the connections are already made, forming neural networks



The Great Divide

The CORPUS CALLOSUM – the tissue dividing the two hemispheres of the brain

- It's important for transmission of information between hemispheres
- Physical movements crossing the midline need to be introduced

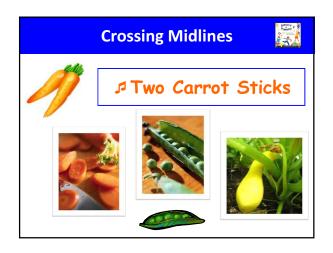


e left/right
top/bottom
front/back

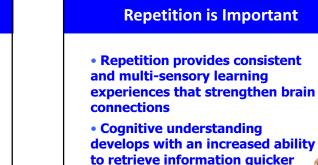
Sagittal Plane
Coronal Plane
Transverse Plane
Body Planes

let's do a few hrain activities!







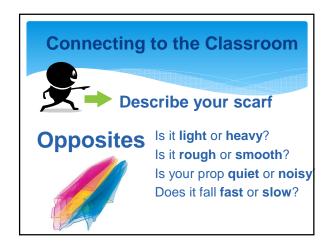


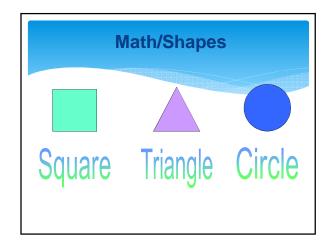
and in new situations



Educating the Whole Child and Reducing Childhood Obesity Source: National Association of School Boards, December 2004 School accounts for a major part of a child's day. "Whether a child is at school during the day or for an extended day that includes afterschool care or activities, there are numerous opportunities to learn about and participate in physical activity and healthy eating."

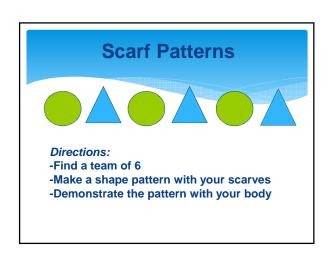








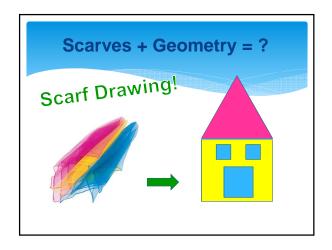
Create Scarf Movement Patterns A-B pattern: around your back, over your head A-B-C Pattern: around your back, over your head, under your leg Can you make a new pattern?



















Research Tells Us...

Children are **not** meeting **daily recommendations** for **physical activity**, children spend **70% to 87%** of their time in early care and education **being sedentary**, i.e., sitting or lying down.

Children are **sedentary 83%** of **the time**, excluding nap time.

Children may only spend about 2% to 3% of time being moderately or vigorously active.

http://cfoc.nrckids.org/WebFiles/PreventingChildhoodObesity2nd.pdf



Appropriate Practices in Movement Programs

- Facilitate maximum participation
- Design active learning environments
- Develop movement skills and concepts
- Plan for repetition and variation of practice
- Practice at a high rate of success
- Make fitness a by-product of play

Additional Strategies for Success



- Teach a variety of childhood games
- Eliminate "elimination games"
- Minimize waiting
- Don't allow children to pick teams
- Never remove PA for punishment
- Controlled chaos get 'em moving
- Always supervise!



And.....

- Be prepared
 - Facilities, equipment, whistle



- Know your game plan
 - Expect children to challenge you
- Be flexible
- Inclement weather, facility restrictions
- Organize quickly and efficiently

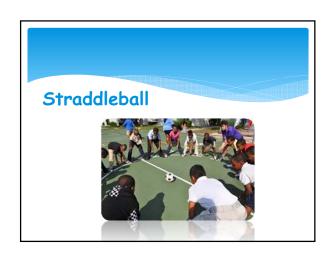


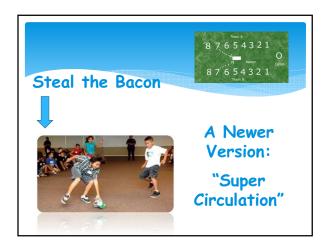












Stations

Make them fun
Keep the rotation time short
Add the school connection!

Station Instructions

- Choose a station, keep stations evenly numbered (some activities require pairs)
- Read directions quickly and play activity
- Think about the school connection (cognitive development, social skills, academic subjects, nutrition, etc.)
- Listen for cue to move replace any needed equipment for the next group
- Move to next station quickly and begin again

Applying Modifications with School Aged Children

HOW? WHAT? WHEN? WHERE? WHY?

Considerations

- Gender
- Number of children
- Overweight or obese children
- Group characteristics
 - Overly competitive/aggressive
 - Cultural diversity
- Training of staff
- Game knowledge
- Facility/equipment/space



School Age Children and PA

Recognize that all games and activities won't work every day and every time with every group.

Realize that children will test the limits, be ready to anticipate what they might do or be able to adapt quickly.

Evaluate the game, the equipment, the play area, the rules, and age-appropriateness, as needed.

Children with Disabilities

Recognize that all children, regardless of ability or disability, can acquire motor skills and use their bodies in play.

Children with special needs require adults who are energetic and creative in supporting play.

Look at what a child CAN do, not at what they cannot do.





Authentic Assessment



Duck, Duck, Goose

In a small group, discuss: How can you modify this game?



A new twist on an old game:

Banana, Blueberry, Fruit Salad Duck, Duck, Goose on the Move



Kickball





In a small group, discuss: How can you modify this game?



Physical Activity Policy

Do you have one?



Policies Make a Difference

- * Provide clear guidelines to staff
- * Influence day-to-day practices
- * Promote consistency of healthy practices
- * Bring current research and best practices into daily routines

A policy is a statement of commitment!

Physical Activity Policy

Does your policy contain specific minutes of daily M-V-P-A?

Is it developmentally and age-appropriate?

Is it inclusive – do all children participate?

When was it last updated?

Does it work?



Policy Considerations:

- √ Variety of Game Opportunities
- ✓ M-V-P-A
- Staff Participation
- Age-appropriate
- Safety
- √ Facility
- ✓ Equipment
- ✓ Inclusive/Special Needs
- ✓ Staff Training
- √ Social Skills
- ✓ Sedentary Time
- Media Time
- √ Routines
- ✓ Disciplinary Actions
- ✓ Withdrawal of play as **Punishment**

When Developing **Policy Statements**

- Identify areas of need
- Develop an action plan
- Identify timelines and roles



- from credible sources Use simple language
- Use strong verbs in statements

Strong vs. Weak Policies

Strong

Include words such as:

Weak

Shall Will Must

Require Comply Enforce

Should Might Encourage

Promote Some Try



Sample Policy Statements

Adults shall supervise all indoor and outdoor physical activity at all times

Adults will not withhold physical activity as punishment

Adults will encourage children not to use electronic equipment in the program

Group Activity







